



PSI Technologies Inc

Scope of Supply & Proposal

Project # P0184- City of Key West ITB N0. 20-001

**Richard A. Heyman Environmental Protection Facility Aeration,
Sludge Conveyor, and Effluent Pump Systems Upgrade**

Date	10/23/2019
Project	Key West Injection Pump
Location	Key West, FL
PSI Quote No.	ED10239B
Project #	P0184
Rep	PSI Technologies, Inc
Engr	Black & Vetch
Spec Sect.	11130 ONLY
QTY	Equipment
1	12" - FA30.78D + FKT50.1-8/62GEx, rated 220HP, 890rpm, 50' cables
	12" Discharge
	16" Inlet
	Primary duty: 5,000 gpm @ 108' tdh
	Secondary duty v.f.d. turndown: 2,640 gpm @ 96' tdh
1	Heat and Moisture sensor
1	Bearing temp sensor
1	Moisture sensor relay
1	*Ceram CO Interior/Exterior
1	Dry Pit Suction Support Plate
1	16" Long Radius Suction Elbow
1	Spare Parts Kit - O-rings, bearings
1	Spare Wear Ring Set (mobile and stationary)
1	Factory Test Report 1U standard, No negative Tolerance
1	Pump End Hydrostatic Test @ 1.5x Shut-off



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1	Confirm Coating Thickness
1	Confirm Motor Insulation
1	Anchor Calculation
1	Commissioning, Start Up, & Training Services
	Notes / Exceptions / Clarifications
	Pump impeller is a three vane i.l.o. two vane
	Pump motor has a 1.15 service factor
	No NPSHa testing available at factory and is not considered part of this offer.
	V.F.D. and controls provided by others, not by WILO USA LLC
	Installation Not included
	Pressure Gauges or transmitters Not included
	Delivery Estimated: 30-34 Weeks
Spec Sect.	16150 ONLY
QTY	VFD Equipment
1	<p>Rockwell Adjustable Frequency Drive Model#PF750</p> <ul style="list-style-type: none"> -250HP rated for 302 amps, 18 pulse drive -Nema 1G enclosure -DV/DT output filter -Ethernet comm -HIM and appropriate door mounted pilot devices -necessary relay/timer control logic -Price includes startup, freight and a RA standard 1 year warranty. -Spare Parts -2 days training class at site <p>*NOT Included: Installation, I&C terminations, Bypass hwd/control not included!</p>



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Items not specifically listed above, are NOT included!

***Price for specified Injection Pump & AFD
Equipment***

Price Total \$331,607.14

Approved by: _____

Date: _____

Contractor/Owner Purchase Order: _____